

Title (en)  
Control system for a vertical axis wind turbine

Title (de)  
Windturbinen-Steuerungsvorrichtung einer Vertikalachsen-Windturbine

Title (fr)  
Système de contrôle pour éolienne à axe verticale

Publication  
**EP 2258944 B1 20140514 (DE)**

Application  
**EP 10174502 A 20080129**

Priority  
• EP 10174502 A 20080129  
• EP 08001625 A 20080129

Abstract (en)  
[origin: EP2085610A1] The controller comprises a component with a spring element to pre-stress an aerodynamic brake towards a run-in position. Another component has a mass element (5) to move out the aerodynamic brake through a centrifugal force caused through an adequate high rotation of a rotor blade-segment against the pre-stress of the spring element. A third component (7) has an actuator which is connected with the aerodynamic brake and actuated to move out the aerodynamic brake against the pre-stress of the spring element. An independent claim is included for a method for aerodynamic braking in a wind energy system.

IPC 8 full level  
**F03D 7/06** (2006.01)

CPC (source: EP US)  
**F03D 7/0252** (2013.01 - EP US); **F03D 7/06** (2013.01 - EP US); **F05B 2260/77** (2013.01 - EP US); **F05B 2260/901** (2013.01 - EP US); **Y02E 10/74** (2013.01 - EP)

Cited by  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2085610 A1 20090805; EP 2085610 B1 20101013**; AT E484672 T1 20101015; CN 102105683 A 20110622; CN 102105683 B 20150603; CY 1111090 T1 20150611; CY 1115434 T1 20170104; DE 202008017917 U1 20101104; DE 502008001518 D1 20101125; DK 2085610 T3 20110124; DK 2258944 T3 20140804; EA 019262 B1 20140228; EA 201001218 A1 20110228; EP 2258944 A1 20101208; EP 2258944 B1 20140514; ES 2354484 T3 20110315; ES 2490242 T3 20140903; HK 1146101 A1 20110513; HK 1159209 A1 20120727; HR P20100722 T1 20110228; PL 2085610 T3 20110429; PL 2258944 T3 20141031; PT 2085610 E 20101227; PT 2258944 E 20140825; SI 2085610 T1 20110228; SI 2258944 T1 20140930; US 2011002772 A1 20110106; US 8734104 B2 20140527; WO 2009095181 A1 20090806

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**EP 08001625 A 20080129**; AT 08001625 T 20080129; CN 200980103412 A 20090122; CY 111100024 T 20110105; CY 141100597 T 20140804; DE 202008017917 U 20080129; DE 502008001518 T 20080129; DK 08001625 T 20080129; DK 10174502 T 20080129; EA 201001218 A 20090122; EP 10174502 A 20080129; EP 2009000385 W 20090122; ES 08001625 T 20080129; ES 10174502 T 20080129; HK 11100300 A 20110113; HK 11113230 A 20111207; HR P20100722 T 20101227; PL 08001625 T 20080129; PL 10174502 T 20080129; PT 08001625 T 20080129; PT 10174502 T 20080129; SI 200830130 T 20080129; SI 200831252 T 20080129; US 86527809 A 20090122